

LASER TRIM AND COMPENSATION METHODOLOGY FOR PASSIVELY ALIGNING OPTICAL TRANSMITTER

ABSTRACT OF THE DISCLOSURE

5 A method includes a scheme for trimming and compensation for a laser
emitter in a fiber optic link. Data models of laser performance are provided and used
to determine a base power level. It is then confirmed that the base power level is
satisfactory. If necessary, adjustments are made to a set of user specified performance
parameters until a satisfactory base power level is obtained. Then a table or relation
10 of temperatures and associated current and target average optical power values is
generated such that they can be used to regulate laser emitter performance over a
range of temperature. Additionally, fiber optic links capable of trimming and
compensation are also disclosed.